

ABSTRACT

To appropriately adjust luminance and a black level even when characteristics of an organic EL display element should be changed due to an environmental change or heat self-generation, to display a stable image. A
5 current detector detects a level of a total panel current flowing in an organic EL panel. The detected level is subjected to A/D conversion before being supplied to an adder. Meanwhile, a video signal is supplied to a current calculator 24 to be converted into data corresponding to the level of a total panel current, before being supplied to the adder. The adder then compares an average total panel
10 current level, estimated based on a video signal, and an actual total panel current level, to obtain a difference so that a black level for image data to be supplied to the panel is adjusted according to the difference.